

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
21 October 2004 (21.10.2004)

PCT

(10) International Publication Number
WO 2004/090834 A3

(51) International Patent Classification⁷: G09B 11/00

(21) International Application Number: PCT/US2004/010222

(22) International Filing Date: 2 April 2004 (02.04.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/459,773 2 April 2003 (02.04.2003) US

(71) Applicant (for all designated States except US): PLAN-
ETII USA INC. [US/US]; 560 S. Winchester Blvd., Suite
305, San Jose, CA 95128 (US).

(72) Inventors: CHENG, Lewis; San Jose, CA 95126 (US).
KONG, Bella; San Jose, CA 95126 (US). NG, Jason; San
Jose, CA 95126 (US). LEE, Simon; San Jose, CA 95126
(US). LEVINE, Joshua; San Jose, CA 95126 (US).

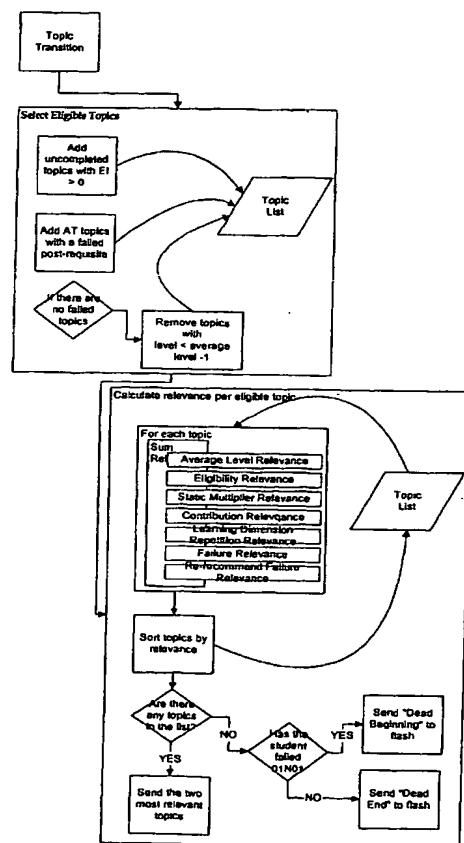
(74) Agents: SAMUEL, Richard, I. et al.; Goodwin Procter
LLP, 103 Eisenhower Parkway, Roseland, NJ 07068 (US).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European
(AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,
GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK,

[Continued on next page]

(54) Title: ADAPTIVE ENGINE LOGIC USED IN TRAINING ACADEMIC PROFICIENCY



(57) Abstract: The present invention is an intelligent, adaptive system that takes in information and reacts to the specific information given to it, using a set of predefined heuristics. Therefore, each individual's information (which can and is unique) will feed the engine, and then provide a unique experience to that individual. One embodiment of the present invention discussed herein focuses on Mathematics however the invention is not limited thereby as the same logic can be applied to other academic subjects.



TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report:

3 February 2005

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/10222

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G09B 11/00
US CL : 434/323

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 434/322,323,350,353,307R; 706/45;

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
US-PGPUB, EPO, JPO, USPAT-adaptive testing, interactive training, heuristic, assessments and adaptive

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,120,300 A (HO ET AL) 19 September 2000 (19.09.2000), Figures 1, 5-7.	1
Y	US 5,657,256 A (SWANSON et al) 12 August 1997 (12.08.1997), Figures 1(a-e); column 9, line 10+ .	1
A	EP 0 553 674 A2 (EDUCATIONAL TESTING SERVICE) 04 August 1993 (04.08.1993), entire document.	1-6

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:	
"A"	document defining the general state of the art which is not considered to be of particular relevance
"E"	earlier application or patent published on or after the international filing date
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
"O"	document referring to an oral disclosure, use, exhibition or other means
"P"	document published prior to the international filing date but later than the priority date claimed
"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"&"	document member of the same patent family

Date of the actual completion of the international search

22 July 2004 (22.07.2004)

Date of mailing of the international search report

22 DEC 2004

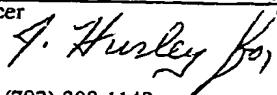
Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (703) 305-3230

Authorized officer

Derris Banks



Telephone No. (703) 308-1148